

**PICMG PIII/ VIA
C3 CPU Board sup-
ports SVGA Flat Panel/
UXGA CRT w/ 36-bit LVDS,
LAN, Audio, TV-OUT, Compact
Flash II Socket, (4) USB 1.1 ports,
and Watchdog Timer**



Features

- (2) 168-pin DIMM socket, up to 1GB
- VIA/S3 Twister-T PN133T chipset with VIA 8606T/686B supports CRT and TFT panels.
- Support AV and S-video TV-out interface (optional)
- 10/100Base-T Ethernet onboard
- VIA 686B built-in AC97 3D audio controller with codec

CPU

Socket 370 supports FC-PGA Intel® Pentium®-III, FC-PGA/PPGA Celeron™, VIA C3 CPUs up to 1.4GHz @ FSB 66/100/133 MHz. Support Intel Tualatin/ Coppermine FC-PGA2/FS-PGA CPU and VIA C3 Samuel I/II..

Chipset

VIA/S3 Twister-T PN133T chipset with VIA 8606T and 686B.

System Memory

(2) 168-pin DIMM socket, up to 1GB PC100/133 SDRAM.

BIOS

Award® BIOS with boot from WOL capability.

VGA/LCD Controller

- VIA/S3 Twister VT8606T chipset built-in S3 Savage4 SVGA core with 128-bit 3D engine BIOS selectable 8/16/32 MBytes video memory shared with system memory VGA, SVGA, XGA, SXGA, UXGA mode up to 1280x1024 resolution.
- LCD Interface: Support 36-bit TTL/LVDS TFT/DSTN LCD interface with 256 gray shade integrated 2-channel 110 MHz LVDS interface up to 1280x1024 resolution.
- TV-out interface: VIA/S3 Twister-T PN133T 8606T chipset built in VGA core with TV-out encoder support AV and S-video TV-out interface.

IDE Interface

(2) channels of Ultra DMA 33/66/100 IDE Interface, supports up to (4) IDE storage devices.

Ethernet

PCI RTL8100B Fast Ethernet controller; 10/100Mbps Fast Ethernet interface with RJ45 on rear bracket.

Audio

Integrated AC'97 3D Audio interface.

Flash Memory Disk

CompactFlash Type I/II socket, jumper selectable master/slave mode on primary IDE port.

I/O Ports

Serial Ports:	(2) RS-232 Serial ports
Parallel Port:	(1) bi-direction parallel port supports SPP/ECP/EPP mode
FDD Port:	(1) FDD port, supports up to (2) FDDs
Universal Serial Bus:	(4) USB 1.1 ports by 10-pin headers
IR Interface:	(1) IrDA port
Keyboard/Mouse Connector:	(1) PS/2 connector & 5-pin header

Watchdog Timer

Timeout value can be set as 1, 2, 10, 20, 110, or 220 seconds by jumper SWDT.

Realtime Clock

VIA 686B built-in RTC with onboard lithium battery.

Health Monitoring

Controller built-in south bridge chipset VT82C686B.

Power Requirement

+5V @ 4.2A (Intel Socket 370 FC-PGA Pentium-III 866 MHz CPU and 128 MB PC133 SDRAM)

Environment

Operating Temperature: 0°C ~ 60°C
Storage Temperature : -25° ~ 65°C
Humidity : 5% to 95% RH, non-condensing

Dimensions

338 x 122 mm (13.3" x 4.8")

Net Weight

370g (0.83 pounds)

Ordering Information

SBC-3201ANL	Full-size PICMG Socket 370 CPU Card with LVDS/TTL LCD/CRT SVGA, Audio, LAN, and Compact Flash Interface.
SBC-3201ANL-TV	SBC-3201ANL CPU Card with LVDS / TTL LCD and AV/ S-Video TV-out Interface.